

## Recovery Plan Action Status

**Plan Name:** Kearney's Blue-star

**Plan Status:** Final

**Plan Date:** 24-May-93

**Lead Agency:** USFWS

**Lead Office:** Arizona Ecological Services Field Office

(602)  
242-0210 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kearney's blue-star (Amsonia kearneyana)	1	1.a.1	Develop and implement HMPs on TON	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Bureau of Indian Affairs, USFWS Regional Office 2, Tohono O'odham Nation	Work type not yet selected	Labor type not yet selected	ES costs = 10K/year. BIA costs = 0.5K/year. TON costs = 0.5K/year.
Kearney's blue-star (Amsonia kearneyana)	2	1.a.2	Develop guidelines for supplementing natural populations on TON	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2, Tohono O'odham Nation	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	1.a.3	Establish special land use designations	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2, Tohono O'odham Nation	Work type not yet selected	Labor type not yet selected	ES costs = 1K/year. TON costs = 1K/year.
Kearney's blue-star (Amsonia kearneyana)	2	1.b.1	Develop agreements with non-TON landowners	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, State of Arizona, Private landowners, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	ES costs = 2K/year. AZ costs = 0.5K/year.
Kearney's blue-star (Amsonia kearneyana)	1	1.b.2	Develop and implement HMPs on private and public lands	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Private landowners, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	1.b.3	Develop guidelines for supplementing natural populations on private and public lands.	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Acquisition	Labor type not yet selected	

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Kearney's blue-star (Amsonia kearneyana)	2	1.c	Enforce laws, regulations, and ordinances	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, State of Arizona, U.S. Fish and Wildlife Service, Law Enforcement Division, USFWS Regional Office 2, Tohono O'odham Nation	Other: Law Enforcement	Labor type not yet selected	ES costs = 2.5K/year. LE costs = 2.5K/year. TON costs = 1K/year.
Kearney's blue-star (Amsonia kearneyana)	2	1.d	Acquire and protect lands not already protected	Partially Complete	Prior to FY 1995	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Division of Realty, USFWS Regional Office 2	Acquisition: General	Labor type not yet selected	Brown Canyon acquired and became part of Buenos Aires NWR, protecting the ex situ population.
Kearney's blue-star (Amsonia kearneyana)	1	2.a	Monitor threats	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2, Tohono O'odham Nation	Management: General	Internal Field Assistance	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	2.b	Collect demographics data	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	3.a	Define associated plant species	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	1	3.b	Describe physical environment	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	3.c	Map historic range	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	1	3.d	Study grazing impacts	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Bureau of Indian Affairs, USFWS Regional Office 2, Tohono O'odham Nation	Work type not yet selected	Labor type not yet selected	ES costs = 15K/year. BIA costs = 5K/year.

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Kearney's blue-star (Amsonia kearneyana)	1	3.e	Study insect predation	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	3.f	Examine pollination ecology	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	1	4	Survey for new populations	Partially Complete	FY 1995 - FY 1999	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Research: Population Surveys	Contract	Work contracted out by BLM, at their expense.
Kearney's blue-star (Amsonia kearneyana)	2	5	Reintroduce populations	Complete	FY 1995 - FY 1999	FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Other	Internal Technical Assistance	10K per pop. All costs are ES. FWS and contractors planted approx. 100 plants in Brown Canyon. As of 2005, only a handful remain.
Kearney's blue-star (Amsonia kearneyana)	2	6.a	Establish garden population and seed bank	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.
Kearney's blue-star (Amsonia kearneyana)	2	6.b	Establish and monitor ex situ populations	Partially Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Research: Propagation	Contract	One population established and monitored for 3 years; total cost \$10,000. The transplant effort has not been monitored intensively since then, but a visit to the site in 2005 by ES staff showed that very few plants have survived since the initial transplant effort.
Kearney's blue-star (Amsonia kearneyana)	1	7.a	Develop public awareness program	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, State of Arizona, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	ES costs: FY1 = 4K, FY2&3 = 2K/year. AZ costs = 1K/year.
Kearney's blue-star (Amsonia kearneyana)	3	7.b	Information exchange	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, USFWS Regional Office 2	Work type not yet selected	Labor type not yet selected	All costs are ES.